UNITED STATES DISTRICT COURT EASTERN DISTRICT OF TEXAS MARSHALL DIVISION

NETLIST, INC.,

Civil No. 2:22-cv-00293-JRG

Plaintiff.

JURY TRIAL DEMANDED

v.

SAMSUNG ELECTRONICS CO., LTD., et al.,

Defendants.

SAMSUNG'S NOTICE PURSUANT TO 35 U.S.C. § 282

Pursuant to 35 U.S.C. § 282, Defendants Samsung Electronics Co., Ltd., Samsung Electronics America, Inc., and Samsung Semiconductor, Inc. (collectively, "Samsung"), provide notice that in the trial of the above-captioned matters, Samsung may rely on one or more of the prior art references identified in this Notice, either alone or in combination.

Samsung has already provided notice to Plaintiff Netlist, Inc. ("Netlist") of the identity of certain publications, patents, and persons within the ambit of § 282 through the pleadings and correspondence in this case, including, but not limited to, invalidity contentions, expert witness reports, testimony, responses to interrogatories, disclosures under Rule 26, the Discovery Order, and the Local Patent Rules, and material disclosed in trial exhibit lists. Samsung expressly incorporates herein by reference all of the publications, patents, and specification of persons within the ambit of § 282 previously cited in these pleadings, testimony, expert reports, correspondence and other materials. Samsung also reserves the right to rely on any description of the prior art within the specifications of the asserted patents or items of prior art cited on their face. Samsung reserves the right to amend and/or supplement this Notice to add items to this statement that were inadvertently omitted. In addition to each of the following identified prior

art references, Samsung may rely on the applicant's admitted prior art for each of the Asserted Patents.

I. Prior Art to Asserted 10,268,608

A. U.S. Patents

Number	Filing Date	Issue Date	Named Inventors	Original Assignees
6,446,158	May 17, 2000	September 3, 2002	Karabatsos, Chris	-
7,024,518	March 13, 2002	April 4, 2006	Halbert, John B.; Dodd, James M.; Lam, Chung; Bonella, Randy M.; Holman, Thomas J.	Intel Corporation
8,054,664	December 15, 2009	November 8, 2011	Harashima, Shiro; Tsukada, Wataru	Elpida Memory, Inc.
8,111,565	September 29, 2009	February 7, 2012	Kuroki, Reiko	NEC Electronics Corporation
8,130,560	November 13, 2007	March 6, 2012	Rajan, Suresh Natarajan; Smith, Michael John Sebastian	Google Inc.
8,243,488	October 11, 2011	August 14, 2012	Harashima, Shiro; Tsukada, Wataru	Elpida Memory, Inc.
8,275,936	September 21, 2009	September 25, 2012	Haywood, Christopher; Raghavan, Gopal; Xu, Chao	Inphi Corporation
8,347,057	August 13, 2010	January 1, 2013	Nishio, Yoji; Ono, Takao	Elpida Memory, Inc.
8,462,535	July 16, 2012	June 11, 2013	Harashima, Shiro; Tsukada, Wataru	Elpida Memory, Inc.

B. U.S. Patent Application Publications

Number	Filing Date	Publication Date	Named Inventors
2001/0008006	February 13,	July 12, 2001	Klein, Dean A.
	2001	-	

2006/0277355	June 1, 2005	December 7, 2006	Ellsberry, Mark; Sweere, Paul;
			Sansur, Michael; Stockton,
			Grant

C. Non-Patent Publications

Title	Publication Date	Page Nos.
Backus, John Backus (1924-2007) 1977 ACM Turing	1978	All
Award lecture	1770	7 111
Bohr, "30 Year Retrospective on Dennard's MOSFET	2007	All
Scaling Paper"		1 222
Brown Fundamentals of Digital Logic with VHDL Design,	2009	All
Third Edition		
Chen, "The VLSI Handbook, Second Edition,"	2007	All
Garrou et al "Handbook of 3D Integration"	2008	All
Haas, "Fully-Buffered DIMM Technology Moves	2005	All
Enterprise Platforms to the Next Level" authored by Jon		
Haas		
IEEE, The Authoritative Dictionary of IEEE Standards	2000	All
Terms, Seventh Edition		
Inphi, "Enabling Cloud Computing and Server	2010	All
Virtualization with Improved Power Efficiency"		
Inphi, "Inphi to Present at JEDEC's Server Memory Forum	2011	All
2011"		
Jacob, Jacob, Memory Systems Cache, DRAM, Disk	2008	All
Johnson, "3D Packaging - A Technology Review"	2005	All
Laplante, Comprehensive Dictionary of Electrical	2005	All
Engineering, Second Edition		
Load Decoupling Twinbuffer for LD-DIMM	June 2008	All
Markus, McGraw-Hill Electronics Dictionary, Fifth Edition	1994	All
Mead, "Introduction to VLSI Systems"	1980	All
Micron, "Micron Introduces a New Way to Increase Server	July, 2009	All
Memory Capacity and Improve Performance",		
Micron, "Micron's LRDIMM Redefines Server Memory	July, 2009	All
Modules",		
Moore, "Cramming More Components on Integrated	1965	All
Circuits"		
Moore, "No Exponential is Forever - But Forever Can Be	2003	All
Delayed."		
Nasr, Rami "FBSIM and the Fully Buffered DIMM	2005	All
Memory System Architecture"		
Prince, "Semiconductor Memories"	1983	All
Scientific American	1977	All
Shannon "A Symbolic Analysis of Relay and Switching	1937	All
Circuits (M.S. thesis)		

Title	Publication	Page
	Date	Nos.
Tan, Wafer Level 3-D ICs Process Technology	2008	All
Turing, "On Computable Numbers"	1936	All
Vogt, "Fully Buffered DIMM (FB-DIMM) Server Memory	2004	All
Architecture: Capacity, Performance, Reliability, and		
Longevity"		
Washkewicz and JEDEC, DDR3 Memory Buffer - Buffer at	2011	All
the Heart of the LRDIMM Architecture		
Wulf, Bill Wulf "Hitting the Memory Wall: Implications of	1994	All
the Obvious."		

D. Prior Art Systems and Inventions Known or Used by Others¹

Title/Description	Date of	Page
	Use/Knowledge	Numbers
"Technical Library" webpage of Kentron's QBM	February 2005	
Website		
Committee Item Number 0311.12, Proposed DDR4	March 2012	All
DB Buffer Control Words, Second Showing		
Committee Item Number 0311.13, Proposed DDR4	March 2012	All
DB BCOM Protocol, Second Showing		
Committee Item Number 0311.14, Proposed DDR4	March 2012	All
DB Training Mode, Second Showing		
Committee Item Number 142.62B, Proposed JEDEC	September 2011	All
Standard LRDIMM DDR3 Memory Buffer		
Specification, JESD82-xx v.0.95b, Committee Letter		
Ballot		
Committee Item Number 158.01, Proposed DDR4	December 2010	All
LRDIMM Proposal, 1st Showing		
Committee Item Number 158.01, Proposed DDR4	March 2011	All
LRDIMM Proposal, 2nd Showing		
DDR3 DIMMs For Servers August 2008 JEDEC	August 27, 2008	All
Meeting Item #2192.10		
DDR4 LRDIMM Proposal (Item # 2222.01)		All
Item # 151.01 iMB based DDR4 LR-DIMM Inphi	2011	All
datasheet for a DDR3 LRDIMM isolation Memory		
Buffer (iMB)		
JC-42.5 Minutes of Meeting No. 51	March 5, 2002	All
JC-42.5 Minutes of Meeting No. 56	June 3-4, 2003	All
JC-45 Minutes of Meeting No. 13	Dec. 6-7, 2006	All
JC-45 Minutes of Meeting No. 14	March 7-9, 2007	All

¹ Samsung's identification of prior art in this section should not be construed as an admission that such prior art does not also qualify as another category of prior art such as a printed publication.

Title/Description	Date of	Page
·	Use/Knowledge	Numbers
JC-45 Minutes of Meeting No. 9	Dec. 6-9, 2005	All
JC-45, Kentron Informational Showing, Item #2144.00	September 2006	All
JEDEC presentation	December 1999	All
JEDEC presentation	September 2000	All
JEDEC presentation	September 2002	All
JEDEC, "Server Memory Trends - Past and Future	2011	All
JEDEC, "Terms, Definitions, and Letter Symbols for	2007	All
Microelectronic Devices" (Standard JESD99B)		
JEDEC, Appendix X-Serial Presence Detect (SPD) for	2007	All
Fully Buffered DIMM (Standard 21-C)		
JEDEC, FBDIMM - Architecture and Protocol	2007	All
Standard (JESD206)		
JEDEC, FBDIMM Advanced Memory Buffer (AMB)	2009	All
(JESD82-20A)		
JEDEC, FBDIMM Specification - DDR2 SDRAM	2007	All
Fully Buffered DIMM (FBDIMM) Design		
Specification (JESD205)		
JEDEC, FBDIMM Specification - High Speed		All
Differential PTP Link at 1.5 V (JESD8-18A)		
JEDEC, Fully Buffered DIMM Design for Test,	2008	All
Design for Validation (DFx) (JESD82-28A)		
JEDEC, Instrumentation Chip Data Sheet for	2006	All
FBDIMM Diagnostic Senselines (JESD82-22)		
JEDEC, PC133 SDRAM Registered DIMM Design	2002	All
Specification, Revision 1.4 (Standard 21-C)		
JEDEC, PC2-4200, PC2-3200 DDR2 Registered Mini-	2006	All
DIMM Design Specification, Revision 2.0		
JEDEC, PC2-6400, PC2-5300, PC2-4200, PC2-3200	2010	All
Registered DIMM Design Specification, Revision 4.04		
Kentron presentation	2004	All
Kentron Quad Band Memory (QBM) QBM2	Dec. 30, 2004	All
Overview: Technical Features		
Kentron Quad Band Memory (QBM) Specification		All
Rev. 0.93		
Kentron Quad Band Memory (QBM), QBM2	April 1, 2005	All
Technical Highlights		
Kentron Quad Band Memory (QBM), QBM2	Aug. 20, 2004	All
Technology Overview		
Kentron's Informational Showing (Item #1341)	June 2, 2003	
Presentation to JEDEC entitled "Quad Band Memory:		
System Level Testing for QBM10R devices at 533		
Mbps and 667 Mbps"		
Kentron's QBM DDRII Transition Overview	April 15, 2004	All

Title/Description	Date of	Page
	Use/Knowledge	Numbers
Kentron's QBM DDRII Transition Overview	March 20, 2004	All
Micron, Load Reduced DIMM, DDR3 1.35V SDRAM	2010	All
LRDIMM, 32GB (part number MT72JSZS4G72LZ),		
Data Sheet, one of Micron's early LRDIMM products		
Micron, Registered DIMM (RDIMM), DDR3 1.5V	2009	All
SDRAM RDIMM, 2GB, Data Sheet, one of Micron's		
early RDIMM products		
Minutes of December 8, 2011 JC-40 Meeting No. 168	December 8, 2011	All
Minutes of December 9, 2010 JC-40 Meeting No. 164	December 9, 2010	
Minutes of June 4, 2012 IC 40 Mastine No. 170	June 4, 2012	All
Minutes of June 4, 2012 JC-40 Meeting No. 170	March 3, 2011	All
Minutes of March 3, 2011 JC-40 Meeting No. 165 Minutes of March 5, 2012 JC-40 Meeting No. 169	March 5, 2011	All
Minutes of March 3, 2012 JC-40 Meeting No. 109 Minutes of September 15, 2011 JC-40 Meeting No.		All
167	September 15, 2011	All
QBM Alliance Member Newsletter distribution list		All
QBM Alliance Newsletter, Volume 1, Issue 1	February 2002	All
QBM Alliance Newsletter, Volume 1, Issue 2	April 2002	All
QBM Alliance Newsletter, Volume 1, Issue 3		All
QBM Alliance Newsletter, Volume 2, Issue 1	late 2002-early 2003	All
QBM Alliance Newsletter, Volume 2, Issue 2	mid 2003	All
Quad Band Memory ("QBM")		
Samsung Semiconductor Product Selection Guide -	2009	All
Memory and Storage, advertising for sale some of		
Samsung's early RDIMM products, one of Samsung's		
early RDIMM products		
Samsung, 256 MB DIMM, with eight DDR SDRAM	2003	All
memory chips, 133 MHz, part number		
M366S3253ETS-C7A		
Samsung, DDR3 SDRAM Specification, 240-pin	2008	All
Registered DIMM Based on 1 Gb D-Die 72-bit ECC,		
one of Samsung's early RDIMM products		

E. Persons Who May Be Relied Upon

Prior Art System / Invention	Name
Known or Used by Others	
Quad Band Memory (QBM) System	Kentron Technologies Inc. employee(s) (e.g., Chris
("QBM")	Karabatsos, Vasilios Karabatsos, Bob Goodman,
	Badawi Dweik)
Series of proposals sponsored by	Entities and persons attending JEDEC committee
Intel and presented in JEDEC	meetings where related technology was discussed

meetings in 2010-2012 ("the JEDEC	(including the JC-40 and JC-45 committee
Proposals"), including:	meetings). For example:
Committee Item Number	One or more employees of Intel
142.62B	
 Committee Item Number 	
158.01	
Committee Item Number	
0311.12	
 Committee Item Number 	
0311.13	
Committee Item Number	
0311.14	

II. Prior Art to Asserted 11,093,417

A. U.S. Patents

Number	Filing Date	Issue Date	Named	Original
			Inventors	Assignees
7,024,518	March 13, 2002	April 4, 2006	Halbert, John B.; Dodd, James M.; Lam, Chung; Bonella, Randy M.; Holman, Thomas J.	Intel Corporation
7,103,742	December 3, 1997	September 5, 2006	Mailloux, Jeffrey S.; Ryan, Kevin J.; Merritt, Todd A.; Williams, Brett L.	Micron Technology, Inc.
7,363,422	January 28, 2004	April 22, 2008	Perego, Richard; Ware, Fred; Tsern, Ely	Rambus Inc.
7,366,827	April 25, 2003	April 29, 2008	Lee, Dong-Yang	Samsung Electronics Co., Ltd.
8,054,664	December 15, 2009	November 8, 2011	Harashima, Shiro; Tsukada, Wataru	Elpida Memory, Inc.
8,243,488	October 11, 2011	August 14, 2012	Harashima, Shiro; Tsukada, Wataru	Elpida Memory, Inc.
8,275,936	September 21, 2009	September 25, 2012	Haywood, Christopher; Raghavan, Gopal; Xu, Chao	Inphi Corporation

Number	Filing Date	Issue Date	Named	Original
			Inventors	Assignees
8,347,057	August 13,	January 1,	Nishio, Yoji;	Elpida Memory,
	2010	2013	Ono, Takao	Inc.
8,462,535	July 16, 2012	June 11, 2013	Harashima,	Elpida Memory,
			Shiro; Tsukada,	Inc.
			Wataru	

B. U.S. Patent Application Publications

Number	Filing Date	Publication Date	Named Inventors
2001/0008006	February 13,	July 12, 2001	Klein, Dean A.
	2001		
2003/0039151	August 23,	February 27, 2003	Matsui, Yoshinori
	2002		
2006/0117152	January 5,	June 1, 2006	Amidi, Hossein; Marino,
	2004		Kelvin A.; Kolli, Satyadey
2006/0277355	June 1, 2005	December 7, 2006	Ellsberry, Mark; Sweere, Paul;
			Sansur, Michael; Stockton,
			Grant

C. Non-Patent Publications

Title	Publication Date	Page Nos.
Backus, John Backus (1924-2007) 1977 ACM Turing Award	1978	All
lecture		
Bohr, "30 Year Retrospective on Dennard's MOSFET	2007	All
Scaling Paper"		
Brown Fundamentals of Digital Logic with VHDL Design,	2009	All
Third Edition		
Chen, "The VLSI Handbook, Second Edition,"	2007	All
Garrou et al "Handbook of 3D Integration"	2008	All
Haas, "Fully-Buffered DIMM Technology Moves Enterprise	2005	All
Platforms to the Next Level" authored by Jon Haas		
IEEE, The Authoritative Dictionary of IEEE Standards	2000	All
Terms, Seventh Edition		
Inphi, "Enabling Cloud Computing and Server Virtualization	2010	All
with Improved Power Efficiency"		
Inphi, "Inphi to Present at JEDEC's Server Memory Forum	2011	All
2011"		
Jacob, Jacob, Memory Systems Cache, DRAM, Disk	2008	All
Johnson, "3D Packaging - A Technology Review"	2005	All
Laplante, Comprehensive Dictionary of Electrical	2005	All
Engineering, Second Edition		
Load Decoupling Twinbuffer for LD-DIMM	June 2008	All

Title	Publication	Page
	Date	Nos.
Markus, McGraw-Hill Electronics Dictionary, Fifth Edition	1994	All
Mead, "Introduction to VLSI Systems"	1980	All
Micron, "Micron Introduces a New Way to Increase Server	July, 2009	All
Memory Capacity and Improve Performance",		
Micron, "Micron's LRDIMM Redefines Server Memory	July, 2009	All
Modules",		
Moore, "Cramming More Components on Integrated	1965	All
Circuits"		
Moore, "No Exponential is Forever - But Forever Can Be	2003	All
Delayed."		
Nasr, Rami "FBSIM and the Fully Buffered DIMM Memory	2005	All
System Architecture"		
Prince, "Semiconductor Memories"	1983	All
Scientific American	1977	All
Shannon "A Symbolic Analysis of Relay and Switching	1937	All
Circuits (M.S. thesis)		
Synchronous DRAM Architectures, Organizations, and	December 10,	All
Alternative Technologies (Bruce Jacob)	2002	
Tan, Wafer Level 3-D ICs Process Technology	2008	All
Turing, "On Computable Numbers"	1936	All
Vogt, "Fully Buffered DIMM (FB-DIMM) Server Memory	2004	All
Architecture: Capacity, Performance, Reliability, and		
Longevity"		
Washkewicz and JEDEC, DDR3 Memory Buffer - Buffer at	2011	All
the Heart of the LRDIMM Architecture		
Wulf, Bill Wulf "Hitting the Memory Wall: Implications of	1994	All
the Obvious."		

D. Prior Art Systems and Inventions Known or Used by Others²

Title/Description	Date of Use/Knowledge	Page Numbers
DDR3 DIMMs For Servers August 2008 JEDEC Meeting Item #2192.10	August 27, 2008	All
DDR4 LRDIMM Proposal (Item # 2222.01)		All
Item # 151.01 iMB based DDR4 LR-DIMM Inphi datasheet for a DDR3 LRDIMM isolation Memory Buffer (iMB)	2011	All
JC-42.5 Minutes of Meeting No. 51	March 5, 2002	All
JC-42.5 Minutes of Meeting No. 56	June 3-4, 2003	All

² Samsung's identification of prior art in this section should not be construed as an admission that such prior art does not also qualify as another category of prior art such as a printed publication.

Title/Description	Date of	Page
	Use/Knowledge	Numbers
JC-45 Minutes of Meeting No. 13	Dec. 6-7, 2006	All
JC-45 Minutes of Meeting No. 14	March 7-9, 2007	All
JC-45 Minutes of Meeting No. 9	Dec. 6-9, 2005	All
JC-45, Kentron Informational Showing, Item #2144.00	September 2006	All
JEDEC presentation	December 1999	All
JEDEC presentation	September 2000	All
JEDEC presentation	September 2002	All
JEDEC, "Server Memory Trends - Past and Future	2011	All
JEDEC, "Terms, Definitions, and Letter Symbols for	2007	All
Microelectronic Devices" (Standard JESD99B)	2007	7 111
JEDEC, Appendix X-Serial Presence Detect (SPD) for	2007	All
Fully Buffered DIMM (Standard 21-C)	2007	
JEDEC, FBDIMM - Architecture and Protocol	2007	All
Standard (JESD206)		
JEDEC, FBDIMM Advanced Memory Buffer (AMB)	2009	All
(JESD82-20A)		1 222
JEDEC, FBDIMM Specification - DDR2 SDRAM	2007	All
Fully Buffered DIMM (FBDIMM) Design		
Specification (JESD205)		
JEDEC, FBDIMM Specification - High Speed		All
Differential PTP Link at 1.5 V (JESD8-18A)		
JEDEC, Fully Buffered DIMM Design for Test,	2008	All
Design for Validation (DFx) (JESD82-28A)		
JEDEC, Instrumentation Chip Data Sheet for	2006	All
FBDIMM Diagnostic Senselines (JESD82-22)		
JEDEC, PC133 SDRAM Registered DIMM Design	2002	All
Specification, Revision 1.4 (Standard 21-C)		
JEDEC, PC2-4200, PC2-3200 DDR2 Registered Mini-	2006	All
DIMM Design Specification, Revision 2.0		
JEDEC, PC2-6400, PC2-5300, PC2-4200, PC2-3200	2010	All
Registered DIMM Design Specification, Revision 4.04		
JESD 79-2A (JEDEC DDR2 SDRAM Standard)	January 2004	All
Kentron presentation	2004	All
Kentron Quad Band Memory (QBM) QBM2	Dec. 30, 2004	All
Overview: Technical Features		
Kentron Quad Band Memory (QBM) Specification		All
Rev. 0.93		
Kentron Quad Band Memory (QBM), QBM2	April 1, 2005	All
Technical Highlights		
Kentron Quad Band Memory (QBM), QBM2	Aug. 20, 2004	All
Technology Overview		

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	Use/Knowledge	Numbers
Micron, Load Reduced DIMM, DDR3 1.35V SDRAM	2010	All
LRDIMM, 32GB (part number MT72JSZS4G72LZ),		
Data Sheet, one of Micron's early LRDIMM products		
Micron, Registered DIMM (RDIMM), DDR3 1.5V	2009	All
SDRAM RDIMM, 2GB, Data Sheet, one of Micron's		
early RDIMM products		
QBM Alliance Member Newsletter distribution list		Al1
QBM Alliance Newsletter, Volume 1, Issue 1	February 2002	All
QBM Alliance Newsletter, Volume 1, Issue 2	April 2002	All
QBM Alliance Newsletter, Volume 1, Issue 3		All
QBM Alliance Newsletter, Volume 2, Issue 2	late 2002-early	All
	2003	
QBM Alliance Newsletter, Volume 2, Issue 2	mid 2003	All
Quad Band Memory ("QBM")		
Samsung Semiconductor Product Selection Guide -	2009	All
Memory and Storage, advertising for sale some of		
Samsung's early RDIMM products, one of Samsung's		
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Samsung, 256 MB DIMM, with eight DDR SDRAM	2003	All
memory chips, 133 MHz, part number		
M366S3253ETS-C7A		
Samsung, DDR3 SDRAM Specification, 240-pin	2008	All
Registered DIMM Based on 1 Gb D-Die 72-bit ECC,		
one of Samsung's early RDIMM products		

E. Persons Who May Be Relied Upon

Prior Art System / Invention	Name
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	Karabatsos, Vasilios Karabatsos, Bob Goodman,
	Badawi Dweik)

III. Prior Art to Asserted 7,619,912

A. U.S. Patents

Number	Filing Date	Issue Date	Named	Original
			Inventors	Assignees
7,024,518	March 13,	April 4, 2006	Halbert, John B.;	Intel Corporation
	2002		Dodd, James M.;	
			Lam, Chung;	
			Bonella, Randy	
			M.; Holman,	
			Thomas J.	
8,054,664	December 15,	November 8,	Harashima,	Elpida Memory,
	2009	2011	Shiro; Tsukada,	Inc.
			Wataru	
8,243,488	October 11,	August 14,	Harashima,	Elpida Memory,
	2011	2012	Shiro; Tsukada,	Inc.
			Wataru	
8,275,936	September 21,	September 25,	Haywood,	Inphi Corporation
	2009	2012	Christopher;	
			Raghavan,	
			Gopal; Xu, Chao	
8,347,057	August 13,	January 1,	Nishio, Yoji;	Elpida Memory,
	2010	2013	Ono, Takao	Inc.
8,462,535	July 16, 2012	June 11, 2013	Harashima,	Elpida Memory,
			Shiro; Tsukada,	Inc.
			Wataru	

B. U.S. Patent Application Publications

Number	Filing Date	Publication Date	Named Inventors
2001/0008006	February 13,	July 12, 2001	Klein, Dean A.
	2001		
2006/0117152	January 5,	June 1, 2006	Amidi, Hossein; Marino,
	2004		Kelvin A.; Kolli, Satyadey

C. Non-Patent Publications

Title	Publication	Page
	Date	Nos.
Backus, John Backus (1924-2007) 1977 ACM Turing Award	1978	All
lecture		
Bohr, "30 Year Retrospective on Dennard's MOSFET	2007	All
Scaling Paper"		
Brown Fundamentals of Digital Logic with VHDL Design,	2009	All
Third Edition		

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Chen, "The VLSI Handbook, Second Edition,"	2007	All
Garrou et al "Handbook of 3D Integration"	2008	All
Haas, "Fully-Buffered DIMM Technology Moves Enterprise	2005	All
Platforms to the Next Level" authored by Jon Haas		
IEEE, The Authoritative Dictionary of IEEE Standards	2000	All
Terms, Seventh Edition		
Inphi, "Enabling Cloud Computing and Server Virtualization	2010	All
with Improved Power Efficiency"		
Inphi, "Inphi to Present at JEDEC's Server Memory Forum	2011	All
2011"		
Jacob, Jacob, Memory Systems Cache, DRAM, Disk	2008	All
Johnson, "3D Packaging - A Technology Review"	2005	All
Laplante, Comprehensive Dictionary of Electrical	2005	All
Engineering, Second Edition		
Load Decoupling Twinbuffer for LD-DIMM	June 2008	All
Markus, McGraw-Hill Electronics Dictionary, Fifth Edition	1994	All
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Micron, "Micron Introduces a New Way to Increase Server	July, 2009	All
Memory Capacity and Improve Performance",		
Micron, "Micron's LRDIMM Redefines Server Memory	July, 2009	All
Modules",		
Moore, "Cramming More Components on Integrated	1965	All
Circuits"		
Moore, "No Exponential is Forever - But Forever Can Be	2003	All
Delayed."		
Nasr, Rami "FBSIM and the Fully Buffered DIMM Memory	2005	All
System Architecture"		
Prince, "Semiconductor Memories"	1983	All
Scientific American	1977	All
Shannon "A Symbolic Analysis of Relay and Switching	1937	All
Circuits (M.S. thesis)		
Tan, Wafer Level 3-D ICs Process Technology	2008	All
Turing, "On Computable Numbers"	1936	All
Vogt, "Fully Buffered DIMM (FB-DIMM) Server Memory	2004	All
Architecture: Capacity, Performance, Reliability, and		
Longevity"		
Washkewicz and JEDEC, DDR3 Memory Buffer - Buffer at	2011	All
the Heart of the LRDIMM Architecture		
Wulf, Bill Wulf "Hitting the Memory Wall: Implications of	1994	All
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DDD2 DIMMs For Courses Assessed 2000 IEDEC	Use/Knowledge	Numbers
DDR3 DIMMs For Servers August 2008 JEDEC	August 27, 2008	All
Meeting Item #2192.10		A 11
DDR4 LRDIMM Proposal (Item # 2222.01)	2011	All
Item # 151.01 iMB based DDR4 LR-DIMM Inphi	2011	All
datasheet for a DDR3 LRDIMM isolation Memory		
Buffer (iMB)	1.7.2002	A 11
JC-42.5 Minutes of Meeting No. 51	March 5, 2002	All
JC-42.5 Minutes of Meeting No. 56	June 3-4, 2003	All
JC-45 Minutes of Meeting No. 13	Dec. 6-7, 2006	All
JC-45 Minutes of Meeting No. 14	March 7-9, 2007	All
JC-45 Minutes of Meeting No. 9	Dec. 6-9, 2005	All
JC-45, Kentron Informational Showing, Item #2144.00	September 2006	All
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JEDEC presentation	September 2000	All
JEDEC presentation	September 2002	All
JEDEC, "Server Memory Trends - Past and Future	2011	All
JEDEC, "Terms, Definitions, and Letter Symbols for	2007	All
Microelectronic Devices" (Standard JESD99B)		
JEDEC, Appendix X-Serial Presence Detect (SPD) for	2007	All
Fully Buffered DIMM (Standard 21-C)		
JEDEC, FBDIMM - Architecture and Protocol	2007	All
Standard (JESD206)		
JEDEC, FBDIMM Advanced Memory Buffer (AMB)	2009	All
(JESD82-20A)		
JEDEC, FBDIMM Specification - DDR2 SDRAM	2007	All
Fully Buffered DIMM (FBDIMM) Design		
Specification (JESD205)		
JEDEC, FBDIMM Specification - High Speed		All
Differential PTP Link at 1.5 V (JESD8-18A)		
JEDEC, Fully Buffered DIMM Design for Test,	2008	All
Design for Validation (DFx) (JESD82-28A)		
JEDEC, Instrumentation Chip Data Sheet for	2006	All
FBDIMM Diagnostic Senselines (JESD82-22)		
JEDEC, PC133 SDRAM Registered DIMM Design	2002	All
Specification, Revision 1.4 (Standard 21-C)		
JEDEC, PC2-4200, PC2-3200 DDR2 Registered Mini-	2006	All
DIMM Design Specification, Revision 2.0		

³ Samsung's identification of prior art in this section should not be construed as an admission that such prior art does not also qualify as another category of prior art such as a printed publication.

Title/Description	Date of	Page
IEDEC PG2 (400 PG2 5200 PG2 4200 PG2 2200	Use/Knowledge	Numbers
JEDEC, PC2-6400, PC2-5300, PC2-4200, PC2-3200	2010	All
Registered DIMM Design Specification, Revision 4.04	2004	A 11
Kentron presentation	2004	All
Kentron Quad Band Memory (QBM) QBM2 Overview: Technical Features	Dec. 30, 2004	All
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Kentron Quad Band Memory (QBM) Specification Rev. 0.93		All
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Technical Highlights		
Kentron Quad Band Memory (QBM), QBM2	Aug. 20, 2004	All
Technology Overview		
Micron, Load Reduced DIMM, DDR3 1.35V SDRAM	2010	All
LRDIMM, 32GB (part number MT72JSZS4G72LZ),		
Data Sheet, one of Micron's early LRDIMM products		
Micron, Registered DIMM (RDIMM), DDR3 1.5V	2009	All
SDRAM RDIMM, 2GB, Data Sheet, one of Micron's		
early RDIMM products		
QBM Alliance Member Newsletter distribution list		All
QBM Alliance Newsletter, Volume 1, Issue 1	February 2002	All
QBM Alliance Newsletter, Volume 1, Issue 2	April 2002	All
QBM Alliance Newsletter, Volume 1, Issue 3		All
QBM Alliance Newsletter, Volume 2, Issue 2	late 2002-early 2003	All
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Quad Band Memory ("QBM")		
Samsung Semiconductor Product Selection Guide -	2009	All
Memory and Storage, advertising for sale some of		
Samsung's early RDIMM products, one of Samsung's		
early RDIMM products		
Samsung, 256 MB DIMM, with eight DDR SDRAM	2003	All
memory chips, 133 MHz, part number		
M366S3253ETS-C7A		
Samsung, DDR3 SDRAM Specification, 240-pin	2008	All
Registered DIMM Based on 1 Gb D-Die 72-bit ECC,		
one of Samsung's early RDIMM products		

E. Persons Who May Be Relied Upon

Prior Art System / Invention	Name
Known or Used by Others	
Quad Band Memory (QBM) System	Kentron Technologies Inc. employee(s) (e.g., Chris
("QBM")	Karabatsos, Vasilios Karabatsos, Bob Goodman,
	Badawi Dweik)

Dated: March 29, 2024 Respectfully submitted,

By: /s/ Daniel A. Tishman

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CERTIFICATE OF SERVICE

I certify that on March 29, 2024, a true and correct copy of the foregoing was served on counsel of record for Plaintiff via electronic mail.

/s/ Daniel A.	Tishman	
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